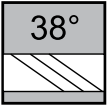
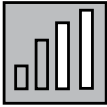


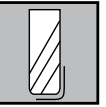
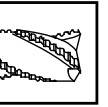
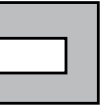
7
Flute

**TuffCut® XR7
Series 180CB Chipbreaker**

Z7



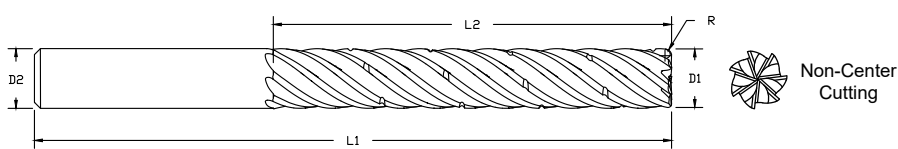
**ALtima®
Blaze**



Now Available with
Corner Radius



- Long and X-Long lengths now with chipbreaker
- Higher feed rates allowed
- Cutting forces minimized resulting in straighter walls on long axial engagements
- Chatter reduced or eliminated
- Prolongs life of tool by reducing re-cutting of chips
- Creates shorter chips that can be evacuated more easily
- Corner Radius provides a stronger corner for less wear during roughing or finishing



Close-up of
chipbreaker grind

ALtima® Blaze		Diameter		Shank	OAL	Flute Length		Corner Radius
Tool No.	EDP	D1		D2 h6	L1	L2	R	
		Inch	Decimal	Inch	Inch	Inch	Inch	Inch
180L2500B	18904	1/4	.2500	1/4	3	1-1/4		
180L2504B	18913	1/4	.2500	1/4	3	1-1/4	.030	
180X2500B	18906	1/4	.2500	1/4	4	1-3/4		
180X2504B	18915	1/4	.2500	1/4	4	1-3/4	.030	
180L3750B	18912	3/8	.3750	3/8	4	1-1/2		
180L3754B	18917	3/8	.3750	3/8	4	1-1/2	.030	
180X3750B	18914	3/8	.3750	3/8	4	2-1/2		
180X3754B	18919	3/8	.3750	3/8	4	2-1/2	.030	
180L5000B	18916	1/2	.5000	1/2	4	2		
180L5004B	18921	1/2	.5000	1/2	4	2	.030	
180X5000B	18918	1/2	.5000	1/2	5	3		
180X5004B	18923	1/2	.5000	1/2	5	3	.030	
180L6250B	18920	5/8	.6250	5/8	5	2-1/4		
180L6254B	18925	5/8	.6250	5/8	5	2-1/4	.030	
180X6250B	18922	5/8	.6250	5/8	6	3		
180X6254B	18927	5/8	.6250	5/8	6	3	.030	
180L7500B	18924	3/4	.7500	3/4	5	2-1/4		
180L7504B	18929	3/4	.7500	3/4	5	2-1/4	.030	
180X7500B	18926	3/4	.7500	3/4	6	3		
180X7504B	18931	3/4	.7500	3/4	6	3	.030	
180L1000B	18928	1	1.0000	1	5	2-1/4		
180L1004B	18933	1	1.0000	1	5	2-1/4	.030	
180X1000B	18930	1	1.0000	1	6	3		
180X1004B	18935	1	1.0000	1	6	3	.030	



Inch	
D1	Tolerance
1/4 - 1.0	+0.000/-0.0011

Inch	
D2	Tolerance (h6)
.2363 - .3937	+0/-0.00035
.3938 - .7087	+0/-0.00043
.7088 - 1.000	+0/-0.00051